24 JUN 1981

MEMORANDUM FOR: Building Planning Staff

25X1 ATTENTION: [redacted]
Office of Security Representative

25X1 FROM: [redacted]
Chief, Policy and Plans Group/OS

SUBJECT: New Building Requirements [redacted] 25X1

REFERENCE: Memo from ADD/P/ODP, dated 9 June 1981, Subject: Building Requirements (ODP 81-731)

The following response is provided to the questions posed in the referenced project organization questionnaire:

1. The two Washington area Office of Security components which would probably not move into the Langley compound include the [redacted] 25X1
25X1 [redacted]

2. It is estimated that Office of Security components which could occupy a new building on the Langley compound would require space for [redacted] employees 25X9
in 1987. By the year 2000, an estimated [redacted] OS employees could be stationed there. These figures assume that the Headquarters Security Branch ([redacted] people) 25X9
would remain in the present Headquarters Building. The
25X9 Polygraph Branch ([redacted] people) will remain in the Head-
quarters building, even after the main Office of
25X1 Security moves to [redacted] in early 1982. When the main Office of Security moves back to the Headquarters complex as the new building is occupied, it is requested consideration be given to locating the Polygraph Branch in the same building as the main Office of Security. If that space is in the new building, provision should be made for the [redacted] person Polygraph 25X9
Branch also. This space should be on the ground floor, near an entrance and have appropriate acoustical
25X1 qualities. [redacted]

3. The Information Systems Security Group (ISSG) will experience the largest growth. [redacted] 25X1

[redacted] 25X1

4. The attached chart is a list of future machinery requirements for the proposed Langley compound new office building. [redacted]

25X1

[redacted]

25X1

Attachment

OFFICE OF SECURITY

FUTURE WP/ADP MACHINE REQUIREMENTS

LANGLEY COMPOUND

TYPE OF MACHINERY	CURRENT	1987	2000
Delta Data Terminals	22	60	100
High Quality Printers; i.e., Design 100	1	35	35
4-Phase 4/70 Minicomputer (SANCA)	1	1	1
4-Phase Terminals (SANCA)	11	11	11
Other Terminals (not DD's)	4	4	8
DEC PDP 1140 Minicomputer (AAMS)	1	1	1
DGC Nova 1200 Minicomputer (SACS)	2	2	2
IBM Punch Card Machines	5	0	0
IBM Card Punch/Sorters (SANCA)	12	2	0
Word Processors	4	9	12
Optical Character Readers	0	1	2
Microprocessors (Personal Computers)	0	4	12
High Speed Data Printer; i.e., Hetra	0	1	2
High Speed Data Printer/Copier; i.e., IBM 6670	0	1	1
4C Equipment:			
Delta Data Terminals	0	12	12
Hardcopy Printers for Above	0	7	7
Mainframe Computer (370 Type)	0	1	1
High Speed Printer	0	1	1
Card Readers/Punch	0	1	1
Tape Drives (Microfiche Interface)	0	3	3

*The word processors figures are counts of work stations. A work station consists of one or more word processing units. The 1987 figures above include 9 printers and 19 CRT units.

LLEGIB

TSD Requirements for Move to

Headquarters Compound

The Technical Security Division currently functions under a

25X1 [redacted] and could not continue to operate in this mode should the Division physically move to the Headquarters compound. If the Division were to be included in such a move, obviously there would need to be some tidying up with regard to its association

25X1 [redacted]

However, it is not believed that the problems associated with these adjustments would be insurmountable, and the information appearing below relative to TSD requirements is furnished under the assumption that a move to the Headquarters compound is feasible and practical.

Personnel

The current staff TO (excluding [redacted] 25X1

25X1 [redacted] which would not move to the Headquarters compound), totals

25X9 [redacted] positions. It is anticipated that this number will increase over the next five years to a total of [redacted] positions if requirements, 25X9 which have already been submitted, are approved. It is not anticipated that the TO will expand beyond this total during the remainder of this century. (It is assumed that space requirements for the total Division complement will be calculated by building planners on the basis of this figure and that it is not necessary

for us to submit a precise figure for normal office space which is not included in figures submitted for shops, laboratories and storage rooms.)

Functions

The most significant increase in TSD activities over the next decade will be dictated by requirements generated as a result of implementation of the CRAFT system at Agency facilities overseas. The requirements so generated will impact significantly on such traditional Division functions as [redacted] 25X1 and physical security equipment installation and maintenance. These additional requirements will manifest themselves specifically in the form of additional personnel, increased travel, and more equipment. Most of the additions to the staffing mentioned in the foregoing section will stem from these requirements. Obviously, the increase in operational functions will also have an impact in such areas as logistics and maintenance. More equipment will have to be acquired, stored, shipped and maintained. As a consequence, space allocated to these functions must be increased. At the present time, it is impossible to predict with any great precision the total space requirements which will result from the increase in these various activities. However, the figures provided for each of the branches below presents an approximation of the Division needs.

Another functional area which will undoubtedly see an increase in activity is that of training. This would include programs

pursued by three branches within the Division. The expanded training 25X1

[redacted]

significant number of personnel. In addition, it can be anticipated that training of both Agency and non-Agency personnel in the field of physical security equipment will increase. Although much of this activity will take place at another Agency facility, it will be demanding upon the personnel resources of the Division, and it is anticipated that the facilities of the Division will also see greater utilization.

Security Equipment Branch Requirements

a. A 20-foot by 60-foot machine shop with concrete floors. Live floor load of 120 pounds per square foot or better. Small spray paint booth with heavy duty exhaust fan. Electrical power requirements: 110/220v, single phase, 60 cycle Hz and 220v, 3-phase, 60 cycle. (Single phase circuits up to 2-1/2 power motors and 3-phase circuits up to 20 horsepower motors.)

b. Two 20-foot by 40-foot alarm laboratories. Normal office space floor load. Electrical power requirements for both labs: 110v, single phase, 60 cycle and 110/220v, single phase, 50 cycle.

c. A 20-foot by 20-foot test laboratory with concrete floor. Live floor load of 120 pounds or better. Exhaust fan. Electrical power requirements: 110/220v, single phase, 60 cycle and 220v,

3-phase, 60 cycle. (Single phase circuits up to 2-1/2 horsepower motors and 3-phase circuits up to 20 horsepower motors.)

d. If the aforementioned machine shop were to be located immediately adjacent to occupied office space, it would be necessary to construct the perimeter walls of the shop in such a fashion that they would provide a 50 decibel attenuation.

e. Consideration must also be given to the requirement for the movement of heavy equipment in and out of the SEB area. Ideally, a ground floor location would be preferable, but at the very least, the area would need to be located in proximity to a freight elevator.

Engineering and Planning Branch Requirements

a. Machine Support: It is estimated that the requirements for TSD computer capacity will at least double over the next few years and that an increase to five terminals will be necessary. Batch processing will increase significantly and a high speed printer will also be required.

b. Space requirements:

(1) A 300 square foot area devoted to a dedicated computer terminal and mini computer terminal with temperature, humidity and dust controls.

(2) An area of at least 150 square feet configured in a fashion which will provide for a library which will contain engineering texts, technical manuals, and unclassified literature, and serve as a reading room.

(3) An area of 500 square feet equipped as a laboratory space with five work stations and some storage area.

(4) An area of 400 square feet to serve as a parent room 25X1 [redacted] provided with adequate ventilation and some storage space.

(5) A minimum 5kw generator to provide alternate power.

(6) A room approximately 50 square feet in size to accommodate a 5kw generator.

Operations Branch Requirements

Aside from normal office space to accommodate staff personnel, the only unique requirement for Operations Branch is for three rooms approximately 100 square feet in size to accommodate equipment to be used in training of [redacted] 25X1

Briefing and Services Branch Requirements

a. Convenient access to a loading dock to permit approximately 2,000 pieces of equipment weighing 50 pounds each to be moved to Agency facilities overseas [redacted] annually. 25X1

b. Parking facilities for five GOV's assigned to the Division.

c. A conference room for Division and Intelligence Community use to accommodate a minimum of 20 officers.

d. Storage space for Division electronic equipment at least 1,500 square feet in size.

e. Equipment pack out room at least 500 square feet in size.

f. Laboratory space for equipment maintenance and repair at least 800 square feet in size. This space will also accommodate

25X1 a [redacted]

g. 110/220v, 50/60 Hz (amperage to be specified later) for maintenance and repair laboratory.

h. Laboratory/training space at least 1,000 square feet in size to accommodate approximately 15 security containers and 5 vault doors for training purposes as well as test and evaluation. Floor loading consideration must be given to this requirement since security containers and vault doors are very heavy (weight will be specified on request) and test and evaluation techniques add considerably to floor loading problems.

i. Sound proofing must be provided for the laboratory specified in "h" above since the work performed in that laboratory would be very disruptive to adjacent areas including areas above and below (same consideration for other TSD laboratory space).

General

Requirements for furniture such as benches, etc., in the laboratories, shops and storage areas has not been included in these requirements. If this type of information is required, it would be necessary to do additional research in this area.